IN THE SPECIFICATION

On page 11, beginning on line 11, please amend the paragraph as follows:

In one embodiment of the present invention, a Determiner 740 in Fig. 7 allows a user is able to complete editing a formula by selecting another cell. If the user selects another cell while editing a formula, the Determiner 740 in Fig. 7 it is determined determines whether entering a reference to the cell at that point in the formula is appropriate. If entering a reference to the cell at that point in the formula is inappropriate, the Determiner 740 terminates formula editing is terminated and identifies the selected cell becomes as the active cell. Thus, the Determiner 740 allows a user can to edit a series of formulas in a series of cells without explicitly terminating formula editing for each cell. If N formulas are edited, the Determiner 740 embodiment enables a user to edit the formulas with N-1 fewer actions than prior art methods.

On page 11, beginning on line 20, please amend the paragraph as follows:

Figure 2 illustrates a spreadsheet running on a PDA in accordance with one embodiment of the present invention. The PDA 200 displays a portion of a spreadsheet 210. Rows 1 through 6 220 columns A through I 230 are displayed. Cell A4 240 is selected, and contains the formula 250 "=A2*B2". Adding another cell reference into the formula as it is would not be appropriate as discussed in further detail below. Thus, if the user selects cell D4 260, the Determiner 740 identifies cell D4 will become as the active cell. Additionally, the formula "=A2*B2" is will be entered by the Determiner 740 as the contents of cell A4. However, if the user enters an operator, for example "+", so that the formula is "=A2*B2+" and the user, then, selects cell D4,

a reference to cell D4 is entered into the formula <u>250 by the Determiner 740 such that the</u> formula ~~which~~ becomes "A2*B2+D4".

On page 12, beginning on line 15, please amend the paragraph as follows:

At operation 305, <u>the Determiner 740 determines</u> ~~it is determined~~ whether the cell contains a formula. If the cell contains a formula, at operation 310, <u>the Determiner 740 initiates</u> formula editing ~~is initiated~~ and ~~the process~~ continues <u>processing</u> at operation 325. If the cell does not contain a formula, at operation 315, <u>the Determiner 740</u> ~~it is determined~~ <u>determines</u> whether the user inputs an explicit formula initiator (e.g., an "=" sign). If the user does not input an explicit formula initiator, at operation 320, <u>the Determiner 740 identifies that</u> the user <u>is</u> <u>entering</u> ~~enters~~ non-formula data. If the user does input an explicit formula initiator, <u>the</u> <u>Determiner 740 continues processing</u> ~~process continues~~ at operation 310.

On page 12, the paragraph beginning on line 22, please amend as follows:

At operation 325, <u>the Determiner 740 determines</u> ~~it is determined~~ whether the user selects another cell. The user may select another cell using a keyboard, pointing device or touch-sensitive display, similar to the means used to active a cell in operation 300. If the user selects another cell, at operation 330, <u>the Determiner 740 determines</u> ~~it is determined~~ whether it is appropriate to insert a reference to the cell in the formula. Formulas typically have a <u>predetermined</u> syntax which must be followed. Thus, if the <u>predetermined</u> syntax allows a cell reference in the active portion of the formula, <u>the Determiner 740 identifies that</u> inserting a reference to the cell is appropriate <u>or conforms to the predetermined syntax.</u> If the

predetermined syntax does not allow a cell reference in the active portion of the formula, the

Determiner 740 identifies that inserting a reference to the cell is not appropriate or does not

conform to the predetermined syntax.

On page 13, beginning on line 4, please amend the paragraph as follows:

If it is not appropriate to insert a reference to the cell in the formula, at operation 335,

formula editing is terminated by the Determiner 740. At operation 340, the Determiner 740

stores the formula is stored as the contents of the active cell. At operation 345, the selected cell

is activated by the Determiner 740.

On page 13, beginning on line 8, please amend the paragraph as follows:

If it is appropriate to insert a reference to the cell in the formula, at operation 350, a

reference to the cell is added to the formula by the Determiner 740 and the process repeats at

operation 325. If at operation 325 the user does not select another cell, at operation 355, it is

determined the Determiner 740 determines whether the user explicitly terminates formula

editing. The user may explicitly terminate formula editing by selecting a terminator button (e.g.,

a check mark button or an equals button). In embodiments where data may be entered through a

keyboard, the user may also explicitly terminate formula editing by inputting a return or other

termination indicator.

On page 13, beginning on line 16, please amend the paragraph as follows:

If the user explicitly terminates formula editing, at operation 360, formula editing is

terminated by the Determiner 740. At operation 365, the Determiner 740 stores the formula is

stored as the contents of the active cell. If the user does not explicitly terminate formula editing,

at operation 730, the Determiner 740 determines whether the user inputs other data. Text,

numbers, functions and operators are examples of other data the user may input. If the user

inputs other data, at operation 375, the data is added to the formula by the Determiner 740 and

the process continues at operation 325. If the user does not input other data, the process

continues at operation 325.

On page 13, beginning on line 26, please amend the paragraph as follows:

In one embodiment, the determination of whether selecting a cell terminates formula

editing is based on a predetermined formula syntax and the current context of the function.

Functions are entered according to the predetermined a-syntax. For example, a predetermined

formula syntax may specify that "Polish notation" be used. The syntax for addition using Polish

notation requires an addition operator, "+", followed by two arguments. The arguments may be

references to cells.

On page 14, beginning on line 5, please amend the paragraph as follows:

Thus, a formula adding cell A4 to cell B2 is entered as "=+A4 B2". After the "=" and

"+" are entered, the Determiner 740 allows it a reference to a cell to be entered is allowed

according to the syntax. In this implementation Thus, selecting cell A4 will enter a reference to

cell A4 into the formula. Then, based on the Polish notation syntax, the Determiner 740 still

allows another cell reference to be entered. Thus, selecting cell B2 will cause the Determiner

740 to enter a reference to cell B2 into the formula. However, at this point, the Polish notation

syntax does not allow another cell reference to be entered. Thus, if a user selects another cell,

the Determiner 740 stores the formula "=+A4 B2" is stored in the old cell and identifies the

selected cell as is activated.

On page 14, beginning on line 13, please amend the paragraph as follows:

Using a different predetermined syntax, the addition operator, "+", is preceded and

succeeded by arguments which may be references to cells. Thus, the above formula becomes

"=A4 + B2". Therefore, after B2 is selected, immediately selecting another cell will cause the

Determiner 740 to terminate editing of the formula and activate the selected cell.

On page 15, beginning on line 21, please amend the paragraph as follows:

Adding another cell reference into the formula 450 as it is in Figure 4 would not be

appropriate as discussed in further detail below. Thus, if the user selects cell D4 740, the

Determiner 740 identifies cell C4 will become as the active cell. Additionally, the formula

"=a2*b2" is will be entered by the Determiner 740 as the contents of cell A4 and the formula

toolbar is closed. However, if the user enters an operator, for example, "+", so that the formula

is "=a2*b2+" and the user, then, selects cell D4, a reference to cell D4 is entered into the formula

450 by the Determiner 740 such that the formula 450 which becomes "=a2*b2+d4".

On page 16, beginning on line 12, please amend the paragraph as follows:

At operation 505, the Determiner 740 determines ~~it is determined~~ whether the cell contains a formula. If the cell contains a formula, at operation 510, the Determiner 740 initiates formula editing ~~is initiated~~ and ~~the process~~ continues processing at operation 525. If the cell does not contain a formula, at operation 515, ~~it is determined~~ the Determiner 740 determines whether the user inputs an explicit formula initiator (e.g., an "=" sign). If the user does not input an explicit formula initiator, at operation 520, the Determiner 740 identifies that the user is entering ~~enters~~ non-formula data. If the user does input an explicit formula initiator, the Determiner 740 continues processing ~~process continues~~ at operation 510.

On page 16, beginning at line 19, please amend the paragraph as follows:

At operation 525, the formula toolbar is displayed. At operation 530, the Determiner 740 determines ~~it is determined~~ whether the user selects another cell. The user may select another cell using a keyboard, pointing device or touch-sensitive display, similar to the means used to activate a cell in operation 500. If the user selects another cell, at operation 535, the Determiner 740 determines ~~it is determined~~ whether it is appropriate to insert a reference to the cell in the formula. Formulas typically have a predetermined syntax which must be followed. Thus, if the predetermined syntax allows a cell reference in the active portion of the formula, inserting a reference to the cell is appropriate or conforms to the predetermined syntax. If the predetermined syntax does not allow a cell reference in the active portion of the formula, the Determiner 740 identifies that inserting a reference to the cell is not appropriate.

On page 17, beginning at line 1, please amend the paragraph as follows:

If it is not appropriate to insert a reference to the cell in the formula, at operation 540, formula editing is terminated by the Determiner 740. At operation 545, the Determiner 740 stores the formula is stored as the contents of the active cell. At operation 550, the formula toolbar is closed. At operation 555, the selected cell is activated by the Determiner 740.

On page 17, beginning at line 7, please amend the paragraph as follows:

If it is not appropriate to insert a reference to the cell in the formula, at operation 560, a reference to the cell is added to the formula by the Determiner 740 and the process repeats at operation 530. If at operation 530 the user does not select another cell, at operation 565, the Determiner 740 determines it is determined whether the user explicitly terminated formula editing. The user may explicitly terminate formula editing by selecting a terminator button (e.g., a check mark button or an equals button). The user may also explicitly terminate formula editing by inputting a terminator by other standard means (e.g., entering a return using a keyboard, drawing an "=" glyph or drawing another terminator glyph).

On page 17, beginning at line 16, please amend the paragraph as follows:

If the user explicitly terminates formula editing, at operation 570, formula editing is terminated by the Determiner 740. At operation 575, the Determiner 740 stores the formula is stored as the contents of the active cell. At operation 580, the formula toolbar is closed. If the user does not explicitly terminate formula editing, at operation 585, the Determiner 740 determines it is determined whether the user inputs other data. Text, numbers, functions and

Page 8

operators are examples of other data the user may input. The user may enter functions and

operators by selecting corresponding buttons on the formula toolbar. The user may also enter

functions and operators using the traditional glyph method of entry. If the user inputs other data,

at operation 590, the data is added to the formula by the Determiner 740 and the process

continues at operation 530. If the user does not input other data, the process continues at

operation 530.

On page 18, beginning at line 23, please amend the paragraph as follows:

Next, a second cell 720 is selected based on user input using a selection device 730,

which might include a keyboard, pointing device or touch-sensitive display, for instance. A

~~determiner~~ Determiner 740 is used to determine whether it is appropriate to insert a reference to

the second cell in the formula. The ~~determiner~~ Determiner 740 might comprise a computer

program or other logic within the computing device.

On page 19, beginning at line 10, please amend the paragraph as follows:

An embodiment of the invention can be implemented as computer software (e.g.

Determiner 740 in Fig. 7) in the form of computer readable program code executed in a general

purpose computing environment such as environment 600 illustrated in Figure 6, or in the form

of bytecode class files executable within a Java™ run time environment running in such an

environment, or in the form of bytecodes running on a processor (or devices enabled to process

bytecodes) existing in a distributed environment (e.g., one or more processors on a network), or

in the form of bytecodes running on a PDA. A keyboard 610 and mouse 611 are coupled to a

system bus 618. The keyboard and mouse are for introducing user input to the computer system and communicating that user input to central processing unit (CPU) 613. Other suitable input devices, a touch-sensitive display for example, may be used in addition to, or in place of, the mouse 611 and keyboard 610. I/O (input/output) unit 619 coupled to bi-directional system bus 618 represents such I/O elements as a printer, A/V (audio/video) I/O, etc.

On page 21, beginning on line 21, please amend the paragraph as follows:

In one embodiment of the invention, the processor 613 is a SPARC microprocessor from Sun Microsystems, Inc., a microprocessor manufactured by Motorola, such as the 680X0 processor, a microprocessor manufactured for use in a PDA, or a microprocessor manufactured by Intel, such as the 80X86 or Pentium processor. However, any other suitable microprocessor or microcomputer may be utilized. Main memory 615 is comprised of dynamic random access memory (DRAM), and bytecodes (e.g., Determiner 740) for one embodiment of the invention is stored in a portion 627 of main memory 615 during program execution. Video memory 614 is a dual-ported video random access memory. One port of the video memory 614 is coupled to video amplifier 616. The video amplifier 616 is used to drive the cathode ray tube (CRT) raster monitor 617. Video amplifier 616 is well known in the art and may be implemented by any suitable apparatus. This circuitry converts pixel data stored in video memory 614 to a raster signal suitable for use by monitor 617. Monitor 617 is a type of monitor suitable for displaying graphic images.

On page 22, beginning on line 20, please amend the paragraph as follows:

Application code, <u>such as Determiner 740,</u> may be embodied in any form of computer

program product. A computer program product comprises a medium configured to store or

transport computer readable code, or in which computer readable code may be embedded. Some

examples of computer program products are CD-ROM disks, ROM cards, floppy disks, magnetic

tapes, computer hard drives, serves on a network, and carrier waves.